

Converting Colors

CIELCh(69, 46.680, 111.580)

Have a look what the booklet for
CIELCh(69, 46.680, 111.580)
contains.

CIELCh(69, 46.575, 111.304)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 46.575, 111.304)

Conversions

Conversions Part 1

Format	Color
Hex	A4AF57
RGB	164, 175, 87
RGB Percent	64%, 69%, 34%
CMY	0.3561, 0.3129, 0.6581
CMYK	0.06, 0.00, 0.50, 0.31
HSL	67°, 36%, 51%
HSV	67°, 50%, 69%
XYZ	32.4499, 39.3444, 14.9416
YIQ	161.6790, 21.6920, -29.7000

Conversions

Conversions Part 2

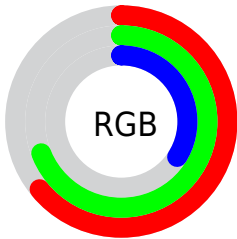
Format	Color
RYB	87, 175, 98
Decimal	10792791
CIELab	69.00, -16.92, 43.39
CIELCh	69, 46.575, 111.304
Yxy	39.3444, 0.3741, 0.4536
Android (android.graphics.Color)	4288982871 (0xFFA4AF57)
YUV	161.6790, -36.8167, 2.0355
Hunter-Lab	62.7251, -17.4247, 29.7843

Details

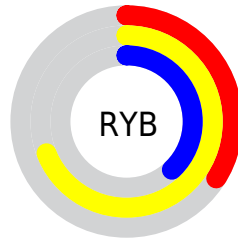
The CIELCh color $69, 46.575, 111.304$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $42, 53.112, 300.632$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 46.344, 111.328$, and $49, 46.655, 111.615$ is the 20% darker color. If you saturate the color by 10%, you get $69, 54.704, 110.705$, and if you desaturate by 10%, it is $69, 37.821, 112.004$.

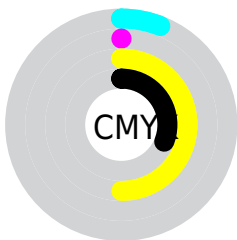
Distribution



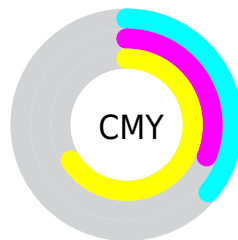
- Red (64%)
- Green (69%)
- Blue (34%)



- Red (34%)
- Yellow (69%)
- Blue (38%)



- Cyan (6%)
- Magenta (0%)
- Yellow (50%)
- Black (31%)





- Cyan (36%)
- Magenta (31%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 46.575, 111.304 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 69, 46.575, 111.304 by changing the saturation by 10% instead.

 69, 46.575,
111.304


 69, 46.575,
111.304


 100, 46.575,
111.304


 59, 46.575,
111.304


 89, 46.575,
111.304

 49, 46.575,
111.304

 99, 46.575,
111.304

 39, 46.575,
111.304

 29, 46.575,
111.304

 19, 46.575,
111.304

 9, 46.575, 111.304

 0, 46.575, 111.304

69, 46.575,
111.304

69, 46.575,
111.304

69, 54.704,
110.705

69, 37.821,
112.004

68, 61.867,
110.256

70, 28.674,
112.754

68, 67.641,
110.028

70, 19.294,
113.528

68, 71.615,
110.093

71, 9.785, 114.303

72, 0.216, 114.996

68, 73.926,
110.412

72, 9.367, 295.807

73, 18.931,
296.515

74, 28.452,
297.189

■ 75, 37.912,
297.826

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69, 46.575, 111.304



42, 53.112, 300.632

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 46.575, 111.304



69, 46.575, 161.304



69, 46.575, 291.304



69, 46.575, 341.304

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69, 46.576, 111.306



89, 17.682, 113.914



50, 36.150, 33.035



48, 12.154, 113.754



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 46.576, 111.306



87, 67.116, 110.663



66, 51.774, 130.697



37, 5.368, 114.375



59, 66.066, 110.324



7, 11.446, 117.073

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42, 53.112, 300.632



47, 79.605, 302.288



47, 54.483, 315.203



34, 5.482, 295.837



17, 89.506, 306.819



1, 11.386, 294.183

Previews

White Background



This preview shows how the CIELCh color 69, 46.575, 111.304 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 46.575, 111.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 46.575, 111.304

Background



This preview shows how black text looks on a background with the CIELCh color 69, 46.575, 111.304.



This preview shows how white text looks on a background with the CIELCh color 69, 46.575, 111.304.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


69, 46.575, 111.304

Protanopia

69, 44.905, 95.390

Deuteranopia

69, 43.074, 77.863



Tritanopia
69, 7.933, 315.768

Trichromacy



Original Color
69, 46.575, 111.304

Protanomaly
69, 45.108, 101.644

Deuteranomaly
69, 42.328, 90.816

Tritanomaly
69, 13.111, 107.091

Monochromacy



Original Color
69, 46.575, 111.304

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 17.578, 113.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 46.575, 111.304 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(164, 175, 87)` looks like.

```
.text, #text, p{  
    color:rgb(164, 175, 87)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(164, 175, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 175, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 46.575, 111.304 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 175, 87) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(164, 175, 87) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(164, 175, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 175, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 175, 87);  
box-shadow:4px 4px 4px 4px rgb(164, 175,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 46.575, 111.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 175, 87) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(164,  
175, 87) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor